

information reference signal resource by the first transmission point, wherein the user device measures and returns the first precoding matrix indicator along with a first channel quality indicator and first reference index; and

the second precoding matrix indicator is computed by the user device based on a transmission of the second channel state information reference signal resource by the second transmission point, wherein the user device measures and returns the first precoding matrix indicator along with a first channel quality indicator and first reference index.

3. The apparatus of claim 2, wherein:

the third precoding matrix indicator is computed based on substantially simultaneous respective transmissions by the first and second transmission points over one port of a third channel state information reference signal resource.

4. The apparatus of claim 3, wherein the third channel state information reference signal resource comprises a two-port reference signal with one port from the first transmission point and one port from the second transmission point.

5. The apparatus of claim 1, wherein the third precoding matrix indicator is based on simultaneous transmission of a rotation precoding vector by the first and second transmission points.

6. The apparatus of claim 5, wherein the rotation precoding vector is:

$$R_1 = R_2^H \\ = \begin{bmatrix} 1.0000 & 0.3334 - 0.4714i \\ 0.3334 - 0.4714i & 0.3332 + 0.9429i \end{bmatrix}$$

7. A method comprising:

computing a co-phasing coefficient value for maximizing signal to noise ratio of a composite channel for transmission to a user device, the composite channel comprising first and second transmission points, wherein computing the co-phasing value comprises:

receiving first, second, and third precoding matrix indicators, wherein the third precoding matrix indicator is computed based on transmission of the first and second precoding matrix indicators over a joint channel state information reference signal resource from first and second transmission points; and

calculating the co-phasing coefficient value based on the first, second, and third precoding matrix indicators;

wherein the first and second precoding matrix indicators are computed based on feedback by a user device based, respectively, on transmissions of first and second channel state information reference resources from first and second transmission points, respectively.

8. The method of claim 7, wherein:

the first precoding matrix indicator is computed by the user device based on a transmission of the first channel state information reference signal resource by the first transmission point, wherein the user device measures and returns the first precoding matrix indicator along with a first channel quality indicator and first reference index; and

the second precoding matrix indicator is computed by the user device based on a transmission of the second chan-

nel state information reference signal resource by the second transmission point, wherein the user device measures and returns the first precoding matrix indicator along with a first channel quality indicator and first reference index.

9. The method of claim 8, wherein:

the third precoding matrix indicator is computed based on substantially simultaneous respective transmissions by the first and second transmission points over one port of a third channel state information reference signal resource.

10. The method of claim 9, wherein the third channel state information reference signal resource comprises a two-port reference signal with one port from the first transmission point and one port from the second transmission point.

11. The method of claim 1, wherein the third precoding matrix indicator is based on simultaneous transmission of a rotation precoding vector by the first and second transmission points.

12. The method of claim 11, wherein the rotation precoding vector is:

$$R_1 = R_2^H \\ = \begin{bmatrix} 1.0000 & 0.3334 - 0.4714i \\ 0.3334 - 0.4714i & 0.3332 + 0.9429i \end{bmatrix}$$

13. A computer readable medium storing a program of instructions, execution of which by a processor configures an apparatus to at least:

compute a co-phasing coefficient value for maximizing signal to noise ratio of a composite channel for transmission to a user device, the composite channel comprising first and second transmission points, wherein computing the co-phasing value comprises:

receiving first, second, and third precoding matrix indicators, wherein the third precoding matrix indicator is computed based on transmission of the first and second precoding matrix indicators over a joint channel state information reference signal resource from first and second transmission points; and

calculating the co-phasing coefficient value based on the first, second, and third precoding matrix indicators;

wherein the first and second precoding matrix indicators are computed based on feedback by a user device based, respectively, on transmissions of first and second channel state information reference resources from first and second transmission points, respectively.

14. The computer readable medium of claim 13, wherein:

the first precoding matrix indicator is computed by the user device based on a transmission of the first channel state information reference signal resource by the first transmission point, wherein the user device measures and returns the first precoding matrix indicator along with a first channel quality indicator and first reference index; and